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Name

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1-14-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application Of: Muffoletto et al.

For: Electrochemical Cell Having A Physical Vapor Deposited Electrode And Method Of Manufacture

the specification of which is being transmitted herewith.

Assistant Commissioner of Patents
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT
Pursuant to 37 CFR 1.56**

1. Applicants submit herewith patents, publications or other information of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56.

The filing of this Information Disclosure Statement (IDS) shall not be construed as a representation that a search has been made (37 CFR 1.56(g)), an admission that the information cited is, or is considered to be material to patentability or that no other material information exists.

IDS For: Electrochemical Cell Having A Physical Vapor
Deposited Electrode And Method Of Manufacture
Inventor: Muffoletto et al.

The filing of this IDS shall not be construed as an admission against interest in any manner (Notice of Jan. 9, 1992, 1135 O.G. 13-25, at 25).

2. Attached is Form PTO-1449. Legible copies of all items listed accompany this IDS.

3. The person making this statement is the agent who signs below, who makes this statement on the information supplied by the inventors and the information in the agent's file.

Respectfully Submitted,

By: 
Michael F. Scalise
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December 12, 2001

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PTO/SB/08A(08/00)

Approved for use through 10/31/2002, OMB 0651-0031

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 3 of 4

Application Number	
Filing Date	12/12/2001
First Named Inventor	Muffoletto et al.
Group Art Unit	1745
Examiner Name	A. Martin
Attorney Docket Number	04645.1002

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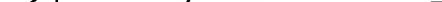
Sheet 3 of 4

Attorney Docket Number 04645.1002

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. 1	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Kind Code	Office3 Number4 (if known)			
<i>ajm</i>	9	WO 95/05499		Imperial Chemical Industries	02/23/1995	
	10	EP 0 878 857 A1		Katayama Special Industries Ltd.	11/18/1998	
	11	0 582 844 A1			07/12/1993	
<i>ajm</i>	12	0 446 584 A1		General Electric Company	09/18/1991	

Examiner Signature		Date Considered	9/03
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1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08B(08/00)

Approved for use through 10/31/2002, OMB 0651-0031

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	
Sheet	4	of	4	Filing Date	12/12/2001
				First Named Inventor	Muffoletto et al.
				Group Art Unit	1745
				Examiner Name	A. Martin
				Attorney Docket Number	04645.1002

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.)		
<i>Am</i>	13	Thin Film Technology - Chapter 5 - Chemical Methods of Film Formation, pages 255-287		
	14	D.R. ROLISON, K. KUO, M. UMANA, D. BRUNDAGE, AND ROYCE W. MURRAY, Properties of RuO _x Working Electrodes in Nonaqueous Solvents, Kenan Laboratories of Chemistry, University of North Carolina, Chapel Hill, North Carolina.		
	15	JOHN M. BLOCHER, JR., Vapor-Deposited Materials, edited by Carroll F. Powell, Joseph H. Oxley, John M. Blocher, JR., Battelle Memorial Institute, Columbus, Ohio, sponsored by The Electrochemical Society, Inc., New York, New York.		
	16	L.L. CHANG, L. ESAKI, W.E. HOWARD, R. LUDEKE, AND G. SCHUL, Structures Grown by Molecular Beam Epitaxy, IBM Thomas J. Watson Research Center, Yorktown Heights, New York.		
	17	P. BIRK and W. WEPPNER, Electrochemical analysis of thin film electrolytes and electrodes for application in rechargeable all solid state lithium microbatteries, Chair for Sensor and Solid State Ionics, Christian-Albrechts-University, Kaiserstr. 2, D-24143 Kiel, Germany		
	18	T. BROUSSE, R. MARCHAND, O RAYMOND, P FRAGNAUD, L. HEIDER and D.M. SCHLEICH, Preparation Of All-Oxide Lithium Ion Microbatteries, ISITEM, Laboratoire de genie des Materiaux, rue Christian Pauc, BP, T. H. Darmstadt, Thin Film Section, Material Science Dept. Petersen Str. 23, Darmstadt, Germany.		
	19	Patent Abstracts of Japan, 11017126, SHARP CORP., Deposition Of Ferroelectric Film and Ferroelectric Capacitor Element.		
<i>Am</i>	20	Patent Abstracts of Japan, 09235118, MURATA MFG CO LTD, Titanium Oxide Film		

Examiner Signature	<i>John J. Martin</i>	Date Considered	9/3
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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